

## Datasheet Gel Type VRLA Batteries

### 6V 180Ah

#### 1. Physical Data

##### Box Data

Battery			CHG	Ter- minal	Lid	max.	basic	max.	basic	Lid	max.	Weight
Type	V	C <sub>5</sub>	cond. Series		Colour Box	length [mm]	length [mm]	width [mm]	width [mm]	height [mm]	height [mm]	[kg]
GF	06	180	V			246	244	192	190	253	275	31
GF	06	180	V	Q		246	244	192	190	253	282	31,5

Tightening Torque Values of connectors to Terminal

conical terminal according EN 50342-2

Female M10-bolted

8 ± 1Nm

20 ± 1Nm

#### 2. Performance Data

Discharge rate	Capacity	End Of DCH Voltage DOD		Effective DCH Time DOD		Energy Density		Power Density	
		60%	80%	60%	80%				
[h]	[Ah]	[V]		[h]		[Wh/l]	[Wh/kg]	[W/l]	[W/kg]
20,0	200,0	2,01	1,98	10,8	14,4	101,8	38,9	5,1	1,9
10,0	190,0	2,00	1,97	5,7	7,6	96,2	36,8	9,6	3,7
<b>5,0</b>	<b>180,0</b>	<b>1,98</b>	<b>1,93</b>	<b>3,0</b>	<b>4,0</b>	<b>89,3</b>	<b>34,1</b>	<b>17,9</b>	<b>6,8</b>
3,0	168,0	1,96	1,89	1,9	2,6	82,9	31,7	27,6	10,6
2,0	154,0	1,93	1,78	1,4	1,9	74,1	28,3	37,0	14,2
1,0	130,0	1,90	1,63	0,8	1,0	61,2	23,4	61,2	23,4
0,5	109,5	1,57	1,57	0,5	0,5	50,2	19,2	100,3	38,4
0,2	81,6	1,40	1,40	0,2	0,2	37,0	14,1	184,9	70,7

Typical values after 20 - 50 C<sub>5</sub> cycles at 30°C

recommended max. Load \*)

360 A

\*) With appropriate counter contacts only

Cyclic endurance according IEC 254-1

700

Temperature Regime (Depending on DOD)

-20 °C up to 50 °C

Typical Operational Temperature Regime

5 °C up to 40 °C

#### 3. Charging

Charging Profile(s)

IUIa

according GNB Specification

Charging time / Ladezeit

10 - 14h

We reserve the right to discontinue or change specification  
any time without notice or obligation